



# भारत का राजपत्र The Gazette of India

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No. 24] NEW DELHI, SATURDAY, JUNE 14, 1980 (JYAISTHA 24, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate Paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 14th June 1980

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

8th May 1980

- 541/Cal/80. Tractel Tirfor India Private Limited. Overhead monorail trolley.
- 542/Cal/80. Chloride Group Limited. Electric storage batteries. (May 9, 1979).
- 543/Cal/80. Chloride Group Limited. Electric storage batteries. (May 9, 1979).
- 544/Cal/80. Chloride Group Limited. Electric storage batteries. (May 9, 1979).
- 545/Cal/80. Chloride Group Limited. Electric storage batteries. (May 9, 1979).
- 546/Cal/80. AB Medline. Improved device for occlusion of bodychannels.
- 547/Cal/80. Stopinc Aktiengesellschaft. Improvements in or relating to turning side closing devices for metallurgical vessels.
- 548/Cal/80. Trans Med Corporation. Diagnostic specimen collector.

9th May 1980

- 549/Cal/80. Deepak Kumar Sinha. A new method of removing geffluent deposits from the outer surface of tubes of a water tube steam generator.
- 550/Cal/80. J. H. Fenner & Co. Ltd. Improvements in or relating to textile fabric belting. (May 10, 1979).
- 551/Cal/80. Wavin B. V. Pipe part with socket, provided with longitudinally extending channels. (January 2, 1980).
- 552/Cal/80. Radlation Dynamics Inc. Composition of a polyethylene and isobutylene copolymer.
- 553/Cal/80. Samicarbon B. V. Process for purifying urea-containing waste water and process for preparing melamine.
- 554/Cal/80. Aluminum Pechiney. Apparatus for the dust-free handling of powder substances.
- 555/Cal/80. Krupp-Koppers GMBH. Heat input control of extractive distillation column.

12th May, 1980

- 556/Cal/80. Mrs. Kamlesh Segar. Wind powered cooler.
- 557/Cal/80. Lucas Industries Limited. Fuel pumping apparatus. (December 7, 1979).
- 558/Cal/80. Saint Gobain Vitrage. Solar panels.
- 559/Cal/80. International Standard Electric Corporation. Current Limited subscriber line feed circuit.
- 560/Cal/80. Zahnradfabrik Friedrichshafen Aktiengesellschaft. Hydrostatic power-assisted steering system, particularly for motor vehicles.
- 561/Cal/80. Zahnradfabrik Friedrichshafen Aktiengesellschaft. Hydrostatic power-assisted steering system, particularly for motor vehicles.

562/Cal/80. Shtangshu Sekhar Chatterjee. Improvement in or modification of the manufacture of bead wire rings for reinforcing tyres. [Addition to No. 2239/Cal/75].

563/Cal/80. Westinghouse Electric Corporation. Catechol or pyrogallol containing flexible insulation tape having low gel time.

564/Cal/80. Vsesojuzny Nauchno-Issledovatel'skiy I Proektno-Konstruktorskiy Institut PO Oborudovaniyu Dlya Konditsionirovaniya Vozdukha I Ventilyatsii. Air cleaning apparatus.

565/Cal/80. Toyo Engineering Corporation and Mitsui Toatsu Chemicals Incorporated Method of concentrating aqueous urea solution.

13th May, 1980

566/Cal/80. G. D. Patel. Improved cigarette holder.

567/Cal/80. F. L. Smidth & Co. A/S. Method and apparatus for measuring the temperature of hot gases. (May 22, 1979).

568/Cal/80. Union Carbide Corporation. Method and apparatus for the blending of granular materials.

569/Cal/80. Union Carbide Corporation. Process for the purification of non-reacting gases.

570/Cal/80. Combustion Engineering, Inc. Fluidized bed boiler feed system.

571/Cal/80. Beloit Corporation. Steam shower.

572/Cal/80. Westinghouse Electric Corporation. Dynamo-electric machine having uniformly circumferentially displaceable stator core.

14th May, 1980

573/Cal/80. OY Fiskars AB. Delimber.

574/Cal/80. Palitex Project-Company GMBH. Thread brake.

575/Cal/80. Krupp-Koppers Gesellschaft Mit Beschränkter Haftung. Gas generator for fine-grained carbonaceous fuels. [Addition to No. 132161].

576/Cal/80. Charbonnages DE France and Houillères DU Bassin DU Nord ET DU Pas-DE-Calais. Process for the production of coke.

577/Cal/80. General Electric Company. Improved impregnation capacitor.

#### APPLICATIONS FOR PATENTS FILED AT THE (BOMBAY BRANCH)

26th April 1980

116/Bom/80. Yeshwant Parashuram Marathe. Calendar attachment to Electronic Digital watch.

117/Bom/80. Ahmedabad Textile Industry's Research Association. An improved swell Easing (Releasing) motion for loom.

118/Bom/80. Avinash Shrikishan Valiya. An electric connector.

1st May 1980

119/Bom/80. Devarepalli Subrahmanyan. Pre-record track trimming procedure for biasless and distortion-free magnetic tape recording with an extended range for the recording current.

120/Bom/80. Satishchandra Dahyabhai Patel. Contrivance for driving small motor-car by a diesel oil engine.

#### LIST OF APPLICATIONS FOR PATENTS FILED AT THE (MADRAS BRANCH)

6th May, 1980

86/Mas/80. V. V. T. Thirupathy. Smoke and dust filters for industries and transport vehicles.

9th May, 1980

87/Mas/80. IDL Chemicals Ltd., A primary or initiating explosive and a method of preparing the same.

#### ALTERATION OF DATE

147721. } Ante-dated 23rd March, 1977.  
789/Dcl/78

147724. } Ante-dated 12th June, 1978.  
81/Mas/78.

147725. } Ante-dated 12th June, 1978.  
82/Mas/78.

147729. } Ante-dated 17th March, 1978.  
101/Mas/79.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 187B & E. 147715.

Int. Cl.-HO 4m 19/02. 19/04.

RINGING CURRENT GENERATOR AT A SUBSCRIBER'S STATION OF A LOCAL BATTERY TELEPHONE SYSTEM.

Applicant: ZETTLWEGER USTER LTD., OF WIESTRASSE 11, CH-8610 USTER (SWITZERLAND).

Inventor: WERNER MEYER-GRAAP, EL. ENGR.

Application No. 899/Cal/77 filed June 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A ringing current generator at a subscriber's station of a local battery telephone system having a stationary winding and a permanently magnetic rotor, characterised in that the stationary winding 14 is formed as ring coil and is arranged within a number of stationary claw-shaped poles 11, and a radially magnetised, multi-polar, substantially annular rotor 21 made of permanently magnetic material surrounding all of the claw-shaped poles and the rotor is rotated by means of a crank 4 connected to the rotor.

Comp. Specn. 12 Pages.

Org. 4 Sheets.

CLASS 158Ea.

147716.

Int. Cl.-B61F 5/06.

A STABILIZED RAILROAD CAR TRUCK.

Applicant: STANDARD CAR TRUCK COMPANY OF 335 SOUTH MICHIGAN AVENUE CHICAGO, ILLINOIS 60604, UNITED STATES OF AMERICA.

*Inventor* : ROBERT LEE BULLOCK.

Application No. 1677/Cal/77 filed December 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

A stabilized railroad car truck including a side frame having a window, a bolster extending into the window, a stabilizer pocket on each side of the bolster and a friction element in each pocket, the improvement comprising spring means supporting each friction element including an upper spring and a lower spring, an opening in said bolster in alignment with each stabilizer pocket, a cup-shaped spring support member supported on said bolster under light load conditions and extending through said bolster opening, an outwardly directed flange on the upper end of said cup-shaped spring support member, with said flange being supported by said bolster about the opening thereof, said upper spring being precompressed within said spring support member and between said spring support member and said friction element, said lower spring being supported on said side frame and having an upper coil thereof in contact with the bottom surface of said cup-shaped spring support member.

Comp. Specn. 11 Pages. Drg. 1 Sheet.  
CLASS 195C. 147717.

Int. Cl.-E01c 1/22.

#### AN AUTOMATIC CLOSING TYPE WATER TAP.

*Applicant & Inventor* : KEDARLAL GOEL, ADDITIONAL CHIEF ENGINEER (MECHANICAL), PUBLIC HEALTH ENGINEERING DEPARTMENT, GOVERNMENT OF RAJASTHAN, 65, HATHROI FORT, AJMER ROAD, JAIPUR 302001, RAJASTHAN, INDIA.

Application No. 288/Del/78 filed April 19, 1978.

Complete Specification left April 3, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 5 Claims.

An automatic closing type water tap for providing at the end of a service main, for minimising waste and overuse of water comprising of a water inlet, outlet and spring loaded valve housing, the inlet is adopted to be connected to the end of a service main and a liquid filled piston-cylinder combination element disposed and axially guided within the outer housing whose lower end is adopted to be coupled to the upper end of the first housing and other and guides the axial movement of piston rod which carries at its top a spring loaded knob and wherein by manually depressing the knob the spring loaded valve opens to allow some water to flow out but the valve closed and stops flow of water automatically after a few seconds by the action of the cylinder moving up as the liquid inside the cylinder leaks pasted the piston, through a leakage provided with piston head, the cycle of operation taking place, in such a manner that flow starts as soon as the knob is pressed down and stops when the desired quantity of water has been delivered or the knob released, whichever happening first.

Comp. Specn. 11 Pages. Drg. 1 Sheet.  
CLASS 34A & 172D. 147718  
Int. Cl.-DO 1d 5/08, 13/12.

#### PROCESS AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF FILAMENT YARNS OF POLYMERS.

*Applicant* : DIDIER ENGINEERING GMBH, OF 4300 ESSEN, ALFREDSTR. 28. FEDERAL REPUBLIC OF GERMANY.

*Inventor* : KARL LEHNER.

Application No. 1385/Cal/77 filed September 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

Process for the continuous production of filament yarns made of polymers, especially polyamides or polyester, which are extruded and spun out through spinning nozzles of a spinning head and subsequently, in a vertical blow shaft, cooled, recrystallized, moistened, if necessary, treated, stretched and wound up, characterized thus, that the threads already recrystallized in the blow shaft are drawn out laterally directed at the lower end of the blow shaft and conveyed to the winding machine.

Comp. Specn. 7 Pages. Drg. 1 Sheet.  
CLASS 154A. 147719.  
Int. Cl.-B41n 1/08.

#### A PROCESS FOR CHEMICALLY GRAINING AND OXIDISING ALUMINIUM PLATES FOR USE AS LITHOGRAPHIC PLATES.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

*Inventors* : BALKUNJE ANANTHA SHENOI AND NATU UPENDRA NAYAK.

Application No. 49/Del/77 filed March 15, 1977.

Complete Specification June 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 9 Claims. No drawings.

The process for the preparation of aluminium lithographic plates by a chemical treatment comprising etching the aluminium or aluminium alloy plate in a sequence in an alkaline bath, an acidic bath and finally an alkaline bath followed by oxidising the plate in a chemical oxidising bath.

Prov. Specn. 6 Pages. Comp. Specn. 9 Pages. Drgs. Nil.  
CLASS 28E. 147720.  
Int. Cl.-HO 3k 17/00.

#### AN ELECTRONIC START AND STOP CIRCUIT FOR OPERATING THE TURNTABLE OF A RECORD PLAYER.

*Applicant* : PEICO ELECTRONICS & ELECTRICALS LTD. (FORMERLY KNOWN AS PHILIPS INDIA LIMITED), AT 7 JUSTICE CHANDRA MADHAB ROAD, CALCUTTA-700020, INDIA AND HAVING THEIR HEAD OFFICE AT SHIVSAGAR ESTATE, BLOCK 'A' DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400018.

*Inventor* : CHIRARANJAN DATTA.

Application No. 25/Cal/78 filed January 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims.

An electronic start and stop circuit for operating the turntable of a record player, comprising: a first transistor and a second transistor provided across a negative supply input terminal and a position supply terminal or earth and along with their biasing and collector load components forming a bistable multi-vibrator, means for biasing the base of said second transistor more strongly in the forward direction relative to said first transistor, said second transistor being connected to said negative input terminal and the collector of said first transistor being connected to the motor control circuit which provides current to the motor of the turntable; and a normally open start switch provided across base and emitter of said second transistor and a normally open stop switch provided across base and emitter of said first transistor.

Comp. Specn. 7 Pages. Drg. 1 Sheet.

CLASS 32F<sub>2</sub> & 40B.

147721.

Int. Cl.-B01j 11/20.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE.***Applicant* : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDTLAN 30, THE HAGUE, THE NETHERLANDS.*Inventor* : IAN ERNEST MAXWELL.

Application No. 789/Del/78 filed November 2, 1978.

Convention date March 25, 1976/(12129/76) U.K.

Division of Application No. 425/Cal/77 filed March 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

21 Claims. No Drawings.

A process for the production of ethylene oxide, wherein ethylene is contacted in the vapour phase with a molecular oxygen-containing gas at a temperature between 150 and 300°C in the presence of a modified silver catalyst which has been prepared by a) heating a silver catalyst comprising from 1 to 35% by weight (based on the entire catalyst) of silver on a porous refractory support at a temperature between 150 and 900°C, and b) depositing from 0.00004 to 0.008 gram equivalent weights per kilogram (based on the entire catalyst) of ions of one or more of the alkali metals potassium, rubidium or cesium on the catalyst of step a).

Comp. Specn. 30 Pages.

Drgs. Nil.

CLASS 136C.

147722.

Int. Cl.-B28b 21/52.

**IMPROVED EXTRUSION DEVICE FOR PLASTIC MATERIALS FOR USE IN CHEMICAL AND FOOD INDUSTRIES.***Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.*Inventors* : SWADESH BHAGAT GROVER, SHRI PURDUMAN SINGH PHULL AND SHRI RABINDRA NATH RAY.

Application No. 62/Del/76 filed December 17, 1976.

Post dated 25th February, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

Improved extrusion device for plastic materials for use in chemical and food industries consisting of a hollow cylinder open at one end and fitted with extrusion die at its closed end, a reciprocating power screw rod with a piston at one end, a prime mover, a variable speed mechanism and a reduction gear box therefor, wherein the means to reciprocate the power screw rod comprises of an internally threaded sleeve meshing with the profile of external threads provided on the said power screw rod mounted within a rectangular box.

Comp. Specn. 12Pages.

Drg. 4 Sheets.

CLASS 68 E<sub>1</sub> & 68 I

147723

Int. Cl. G 05 f 1/56

**VOLTAGE AND CURRENT REGULATOR FOR ELECTRIC GENERATORS.***Applicant & Inventor* : DITTAKAVI SUBRAHMANYA SARMA, BROTHER SALA QUARTERS, FATIMA NAGAR, WARANGAL-506 003, A.P.

Application No. 148/Mas/77 filed September 8, 1977.

Complete Specification left June 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims.

A Voltage and current regulator for electric generators characterised in that the voltage regulator part comprises an emitter follower amplifier connected to a direct current power source and having its output terminal connected to field windings of the generator, a voltage sensor connected across the terminals of the armature of the generator, and to a comparator for determining any error in the terminal voltage of the generator armature and providing a signal to an inverter, the output terminal of the inverter being connected to the said amplifier for reducing or increasing the current to the said field windings.

Prov.—5 pages; Com.—12 pages; Drwgs.—3 sheets).

CLASS 68E<sub>1</sub>.

147724

Int. Cl. G 05 f 1/56.

**OVER VOLTAGE PROTECTION DEVICE.***Applicant & Inventor* : DITTAKAVI SUBRAHMANYA SARMA, BROTHER SALA QUARTERS, FATIMA NAGAR, WARANGAL-506 003, A.P..

Application No. 81/MAS/78 filed June 17, 1978.

Division of Application No. 148/MAS/77 filed September 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

An overvoltage protection circuit for use with a generator comprising a sensor circuit adapted to be connected to the armature terminals of said generator, the attenuated voltage from said sensing circuit fed to a comparator connected to a power source, the output terminal of said comparator connected to a switch, said switch connected to said power source through a fuse, said comparator having a first input terminal connected to said sensor for sensing the voltage of the armature of said generator, and a second input terminal connected to a reference voltage circuit.

(Com.—11 pages; Drwgs.—2 sheets).

CLASS 68E<sub>1</sub>

147725

INT. Cl. G 05 f 1/56

**CURRENT CONTROL REGULATOR FOR GENERATORS***Applicant & Inventor* : DITTAKAVI SUBRAHMANYA SARMA, BROTHER SALA QUARTERS, FATIMA NAGAR, WARANGAL—506 003, A.P.,

Application No. 82/Mas/78 filed June 17, 1978.

Division of 148/Mas/77 filed September 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims.

A current control regulator for use with a generator comprising an emitter follower amplifier adapted to be connected to a.d.c. power source the field winding of said generator connected to the output terminal of said amplifier, a current sensor circuit provided across said power source, the output terminal of said current sensor circuit connected to a first terminal of a current control amplifier, a reference circuit connected to a second input terminal of said current control amplifier, the output terminal of said current control amplifier connected to an inverter, said inverter connected to said emitter follower amplifier.

(Com.—12 pages; Drwgs.—2 sheets)

CLASS—123

147726

Int. Cl. C 05 c 9/00

1

**PROCESS FOR PREPARING SLOW RELEASE ROCK PHOSPHATE COATED UREA FERTILIZERS.**

*Applicant & Inventor* : TANJORE RAMACHANDRA VISVANATHAN, JEYASINGH BENNETT, SWAMINATHAN BALASUBRAMANIAM AND VADIVEL, SHANMUGAM, MADRAS FERTILIZERS LIMITED, MANALI, MADRAS-600 068, TAMIL NADU.

Application No. 177/Mas/77 filed November 21, 1977.

Complete Specification left October 5, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims. No Drawings.

A process for preparing solid slow release rock phosphate-coated urea fertilizer comprising coating of Urea prills or granules with rock phosphate with or without binders such as water, Linseed oil or varnish.

(Prov.—2 pages; Com.—9 pages)

CLASS 204

147727

Int. Cl. G 01 g 7/00

A STEELYARD WEIGHING MACHINE HAVING MEANS FOR PRINTING THE WEIGHT INDICATED BY IT.

*Applicant & Inventor* : THAIVANNAN SESHAGIRI, 33 III STREET, ABHIRAMAPURAM, MADRAS-600 018, TAMIL NADU, INDIA.

Application No. 181/Mas/77 filed November 22, 1977.

Complete specification left February 17, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims.

A steelyard weighing machine having means for printing the weight indicated by it and provided with the known major poise and the known minor poise, characterised by a first potentiometer connected to the major poise and a second potentiometer connected to the minor poise whereby any movement of the major poise and/or the minor poise on the said weighing machine operates to vary the settings and the resistance of the first potentiometer and/or the second potentiometer correspondingly; digital display means and printer means interconnected with the first and second potentiometers, for converting the potentiometric settings into digital display and printing the same.

(Prov.—4 pages; Com.—5 pages; Drwg.—1 sheet)

CLASS 32 F

147728

Int. Cl. C 08 h, 5/04

PROCESS FOR THE PRODUCTION OF COCONUT SHELL DERIVATIVES.

*Applicant* : KONTIKI CHEMICALS & PHARMACEUTICALS PRIVATE LIMITED, A. K. OFFICE BUILDING, BALIAPATAM, CANNANORE-670 010, KERALA STATE.

*Inventor* : DR. CHATHANATH CHAITHANYA MENON.

Application No. 183/Mas/77 filed November 24, 1977.

Complete specification left March 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims No Drawing

A process for the production of coconut shell derivatives, comprising admixing coconut shell with water and caustic soda and then subjecting the said admixture to heating and if desired, separating the insoluble portion therefrom by any known method.

(Prov.—5 pages; Com. 6 pages)

CLASS-32E

147729

Int. Cl.-C 08 h-5/04

PROCESS FOR THE PRODUCTION OF COCONUT SHELL DERIVATIVES.

*Applicant* : KONTIKI CHEMICALS AND PHARMACEUTICALS PRIVATE LIMITED, A. K. OFFICE BUILDING, MILL ROAD, BALIAPATAM, CANNANORE-670 010, KERALA STATE.

*Inventor* : CHATHANATH CHAITHANYA MENON.

Application No. 101/Mas/79 filed on 14th June, 1979.

Division of application No. 183/Mas/77 filed on 24th November, 1977 Anti dated to 17th March, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims (No Drawing)

A process for the production of coconut shell derivatives, comprising admixing coconut shell with water and Caustic Soda and heating said admixture with sulphur and/or sulphides and if desired, separating the insoluble portion therefrom by any known method.

(Com.—8 pages).

CLASS 1A

147730

Int. Cl. C 08 h 5/04

"IMPROVEMENTS IN OR RELATING TO PHENOL FORMALDEHYDE RESINOUS COMPOSITIONS".

*Applicant* : KONTIKI CHEMICALS AND PHARMACEUTICALS PRIVATE LIMITED, A.K. OFFICE BUILDING, BALIAPATAM, CANNANORE-670 010, KERALA.

*Inventor* : DR. CHATHANATH CHAITHANYA MENON

Application No. 184/Mas/77 filed November 24, 1977.

Complete Specification left April 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawing

An improved adhesive composition comprising liquid phenol-formaldehyde resin admixed with coconut shell derivatives prepared according to any of the processes claimed in copending application Nos. 183/Mas/77 and 101/Mas/79, with or without extenders/fillers/surface active agents.

(Prov.—6 pages; Com.—15 pages)

CLASS 173 A

147731.

Int. Cl. B 05 b 1/00

A ADJUSTABLE SPRAY NOZZLE.

*Applicants* : SUNDEEP DULICAHAND NAIK 1097, SHUKRAWAR PETH POONA-411 002 MAHARASHTRA INDIA.

Application No. 23/Bom/77 Filed January 18, 1977.

Complete after provisionally left April 14, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Bombay Branch.

10 Claims.

1. An adjustable spray nozzle for obtaining conical circular or square shaped spray pattern comprising a socket body fitted with a reducer having circular or square orifice and bottom end of said socket body carrying hexagonal skirt forming a nut having internal screw threads for fixing it to nipple of a hose pipe or plumbing line, and a sandwich washer, having a central tapering orifice forming a seat for tapering screw head, sandwiched between a press fitted disc valve carrying a central tapped hole and a series of angularly extending unidirectional slots or holes, each carrying unidirectional hood forming vanes around said central tapped hole and an adjustable screw having tapering screw head at one end and the other end carrying a transverse slot forming a seat for screw driver blade, said screw passing through said tapering central orifice is fitted to said central tapped hole in disc valve, the arrangement being such that when said spray nozzle is fitted to nipple of a hose pipe or plumbing line and water under pressure above 5 lbs p.s.i. is passed

therethrough a centrifugal force is generated when water is passed through said unidirectional vanes formed in said disc valve and a conical circular or square shaped spray pattern is ejected through circular or square orifice formed in said reducer and in that the spray of water from mist to droplets is obtained by turning said screw on its axis in clockwise-anticlockwise direction using a screw driver passed through open end of said reducer whereby the radial passage between adjacent faces of tapering walls of said tapering central orifice and tapering screw head is adjusted.

Complete specn 25 pages Drawing sheet 3.

Provisional specn 5 pages drawing sheet 1.

Class 97 C 147732

Int cl. F 24 h 1/00

IMPROVEMENTS IN OR RELATING TO ELECTRIC SHOWERS.

*Applicant & Inventor* : VITORINO MANUEL ROSARIO DE MIRANDA 47/48, RUA DE SAUDADES PAJIFONN MARGAO GOA INDIA.

Application No. 43/Bom/77 Filed on January 28, 1977.

Complete specification left April 25, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 6 Claims

1. An electric shower having three compartments (1) a top compartment for housing the switching means (2) a middle compartment into which water is led in, said compartment being provided with a spring loaded diaphragm having a central arm connected to the switching circuit in the top compartment, said diaphragm adapted to be depressed when water is led into the middle compartment, said depression causing the switching on of the electric circuit supplying current to heating elements placed within the middle compartment, said middle compartment also having means to deliver water to the lower compartment (3) a lower compartment having perforations at the bottom and a central cup in which water from the middle compartment is led into; a said central cup provided with a perforated tube, said perforation opening out into the lower compartment and spraying water therein which showers out to the exterior from the base of the lower compartment.

Provisional specification 3 pages.

Complete specification 9 pages drawing 4 sheets.

CLASS : 20 B 147733.

Int. Cl. G09b 19/00.

A DEVICE FOR TEACHING ENGINEERING DRAWING TO DRAW ORTHOGRAPHIC PROJECTIONS OF OBJECTS BY THIRD ANGLE PROJECTION METHOD".

*Applicants* : GANAPATRAO SHANKARRAO KABADE, "SHIV KRUPA" 914, KHAN-BHAG, SANGLI 416 416, MAHARASHTRA, INDIA.

Application No. 99/Bom/1978 Filed April 6, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

ING TO DRAW ORTHOGRAPHIC PROJECTIONS OF

#### 5 Claims.

A device for teaching engineering drawing comprising a box divided into six equal compartments in two rows, each row having three compartments, in which in the second compartment of the bottom row is housed an object of which the projections are to be seen and wherein the partitions on the top left and right side of the said second compartment of the bottom row are slidably removable to expose that object in all direction the second compartment of the top row having a mirror fixed at an angle of 45° to both the horizontal and vertical planes in such a manner that while looking directly in that mirror from the front side of this device is seen a reflected image being the "Top View" of that

object, and in each of the first and third compartment of the bottom row, a mirror is fitted with an inclination of 45° to the vertical plane and perpendicular to the horizontal plane in such manner that while looking directly in these mirrors from front side of the device are seen reflected image views being the "Right side view" and "Left side View" of that object respectively.

Complete specification-5 pages, Drawing sheets-3 pages.

CLASS 86E; 148H 147734.

Int. Cl. A 47g 1/00.

"DETACHABLE PHOTO/MIRROR FRAME STAND".

*Applicants* : M/S. COPWUD ARTS, 118-120, SATGURU NANIK INDUSTRIAL ESTATE, WESTERN EXPRESS HIGHWAY, GOREGAON (EAST), BOMBAY-400 063.

*Inventor* : MR. BHARAT CHIMANLAL PATADIA.

Application No. 261/Bom/1977 filed 29-8-1977.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 5 Claims.

A detachable photo/mirror frame stand comprising a fixed bracket and a detachable angular stand, the said fixed bracket having a central hole or recess at its centre having a nut therein, screwably fixed to the said frame, the said nut being provided to facilitate the self-locking arrangement when the said detachable angular stand is removably fixed to the said fixed bracket with the help of screw. According to this invention the detachable photo mirror frame stand comprises of a fixed bracket fixed to the frame and a detachable angular stand removably fixed to the said fixed bracket.

Comp. Specn. 4 Pages.

Drg. 3 Sheets.

CLASS 101 F 147735

Int Cl. E 03 b 7/07.

A DEVICE FOR CONVEYING WATER FROM A HIGHER LEVEL TO A LOWER LEVEL.

*Applicant* : MANOHAR INDUSTRIES LOHRA GALLI NANDED MAHARASHTRA.

*Inventors* : 1. SMT SARASWATIDEVI 2. MAHOHAR-LAL SURI AND 3. SMT. SHANTIDEVI.

Application No. 339/Bom/77 Filed December 5, 1977.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 9 Claims

1. A device for conveying water from a higher level to a lower level comprising of an upper platform and a lower platform being joined in its height by a wall in which the upper platform forms the inlet end and the lower platform the outlet end, said upper and lower platform being held together by side walls, said side walls being tapered from the upper to the lower ends, the upper end of the side walls terminating into diverging wings, and a flange being provided with the lower platform.

Complete specification 9 pages Drawing sheet 2.

Class 173 A, 147736

Int cl B 05 b 1/12

AN AUTOMATIC ROTATING SPRINKLER.

*Applicants & Inventor* : SUNDEEP DULICHAND NAIK 1097, SHUKRAWAR PETH POONA-411 002 MAHARASHTRA, INDIA.

Application No. 412/Bom/76 Filed November 25, 1976.

Complete Specification left January 25, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Bombay.

#### 16 Claims.

1. An automatic rotating sprinkler comprising a sprinkler rotor formed from hollow cylinder with screw threads at its both ends, the upper and thereof engaging a cap nut carry-

ing taped holes at three open ends of a Y passage formed therein through a bearing assembly formed by sandwiching a synthetic rubber washer between a nylon or synthetic resin washer and a metal washer, a bearing nut carrying seat for said bearing assembly; a second bearing assembly formed by sandwiching a nylon or synthetic resin washer between two synthetic rubber washers, and the bottom end of said sprinkler rotor is engaged with a slotted nut-cum-strainer through the second bearing assembly and in that to each of the said holes of said cup nut are fitted by means of a check nut a sprinkler arm respectively forming sprinkler nozzles and each of said sprinkler nozzle carries a longitudinally extending passage opening into a pin holes or a combination of a pin hole and a slit or two pin holes formed in a line near its closed end the arrangement being such that when said bearing nut is fitted to an outlet socket of a hose pipe or a plumbing line, the water or fluid passing therethrough under pressure above 5 lbs p.s.i jets through said slotted nut-cum-strainer initiating swirling motion for the sprinkler rotor and the liquid is sprayed through respective sprinkler nozzles which rotate with the spinning motion of the sprinkler rotor enabling the water or fluid to be sprayed on all sides of the sprinkler.

Provisional specn 6 pages drawing 1 sheet

Complete specn, 13 pages drawing 2 sheets.

CLASS 25A & 161D.

147737.

Int. Cl.-E041 15/00.

METHOD OF MANUFACTURING POROUS WATER-PERMEABLE AND NOT FROST-SUSCEPTIBLE TERRA COTTA PAVINGS USABLE AS GROUND COATING.

*Applicant*: SOCRI INTERNATIONAL S.A., 37, RUE NOTRE-DAME, LUXEMBURG, GRAND DUCHY OF LUXEMBURG.

*Inventor*: MICHEL ALBERT RHEINS.

Application No. 439/Del/77 filed December 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims. No drawings.

A method of manufacturing terra cotta pavings usable as ground coating only, said pavings not being frost-susceptible, being porous and water-permeable, said method comprising the steps of:

— intimately mixing 100 parts by volume of clay with 80 to 160 parts by volume of dry, non-compressed sawdust, the sawdust being essentially formed of particles whose average diameter is comprised between 0.5 mm and 4 mm;

— adding water to the mixture such that the total water content is between 8 and 30% by weight with respect to the weight of the mixture;—forming the pavings under pressure;—drying the pavings;—baking the pavings at a temperature between the temperature, above which the terra cotta obtained from the clay used is not frost-susceptible, and the melting temperature of this clay, and,

— subjecting the faces of the pavings to pumicing.

Comp. Specn. 15 Pages.

Drugs. Nil.

CLASS 40F & H.

147738.

Int. Cl.-B01d 13/04, B01d 53/00.

MULTI-COMPONENT MEMBRANES COMPRISING A POROUS SEPARATION MEMBRANE FOR GAS SEPARATIONS AND PROCESSES FOR GAS SEPARATIONS USING THE MULTICOMPONENT MEMBRANES.

*Applicant*: MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

*Inventors*: JAY MYIS STUART HENIS AND MARY KATHRYN TRIPODI.

Application No. 1602/Cal/77 filed November 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

42 Claims.

A multicomponent membrane for gas separation comprising a coating material in contact with a porous support characterized in that the porous support is a porous separation membrane having a substantial void volume and comprising a material, which material exhibits selective permeation of at least one gas of a gaseous mixture over that of one or more remaining gases of the gaseous mixture and the material of the coating is in occluding contact with the porous separation membrane wherein, with respect to at least one pair of gases, the material of the porous separation membrane exhibits a determined intrinsic separation factor greater than the determined intrinsic separation factor of the material of the coating and the multicomponent membrane exhibits a separation factor significantly greater than the determined intrinsic separation factor of the material of the coating and greater than the separation factor of the porous separation membrane.

Comp. Specn. 119 Pages.

Drugs. 3 Sheets.

CI ASS-57D

147739.

Int. Cl.-F 05 b 59/04

DOOR LOCK.

*Application & Inventor*: GUDDAM VENKATACHALAPATHY NATARATAN, 91, DIAGONAL ROAD, VISVESWARAPURAM, BANGALORE-560 004, KARNATAKA.

Application No. 140/Mas/77 filed August 29, 1977.

Complete specification left September 20, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents, 1972) Patent Office, Madras Branch.

2 Claims.

A door lock comprising a locking mechanism connected to a bolting mechanism, the said locking mechanism having an independent spring loaded centre bolt slides in between the walls of the main and small housing (H and H1) with a rigidly fixed stud (S1) at one end thereof projecting through the slot (St) in the main housing and the other end of the centre bolt having a slant edge, a locking slider (Ls) having stud (S2) rigidly fixed below the foot (F) thereof projecting through the said slot (St), a pin (S3) on the top of the said foot (F) projecting through a slot (St1) of the said small housing (H1), a slot (St2) at the free end of the leg (Lg) of the locking slider (Ls), a stud (Ls1) adjacent to the slot (St2) and perpendicular to the said leg (Lg), the said locking slider (Ls) slides over the stud (S4) one end of which being rivetted to the said main housing (H), a set of spring loaded levers (L) having a lock and unlock chambers being placed over the said locking slider and pivoted to the other end of the stud (S4) such that the locking slider stud (Ls1) sits in the said lock or unlock chambers of the levers (L), the said bolting mechanism having a cam with axles (R1 and R2) and two pins (S5) and (S6) on diametrically opposite side, rotates in the hole (H2) of the said small housing (H1), the said cam being pivotally connected to the said pin (S3) of the said locking slider (Ls), two vertical sliders (Vs1) and (Vs2) being pivotally connected to the said pins (S5) and (S6) of the cam, each bolts (B2) being connected to the holes (C1) and (C2) of the said vertical sliders (Vs 1) and (Vs2) by connecting rods (Cr) bent at right angles on either end in opposite direction, one end of the said rods sits in the hole of either of the bolts (B2) and the other end sits in the hole (C1) or (C2) of the vertical sliders (Vs 1) or (Vs2), the said connecting rods (Cr) being kept in position by clamps (Cl) fixed to the door on either side and close to the lock the bolting of the door being done by pulling or pushing of the door when the slant edge of the independent spring loaded centre bolt slides against the round edge of the bolt receptacle at the door frame and enters the bolt housing of the bolt receptacle, but can be unbolted only from inside by sliding the stud (S1).

(Prov. -1 page, Conn—3 pages: Draw. 2 Sheets).

CLASS 86B & 160C

147740.

Int. Cl. B 60 n 1/02.

IMPROVEMENTS IN OR RELATING TO VEHICLE SEATS

*Applicant*: KRISHNA FABRICATIONS PRIVATE LIMITED, 6A PEENYA, INDUSTRIAL AREA, PHASE-1, TUMKUR ROAD, BANGALORE-562 140, KARNATAKA.

**Inventor :** SURINDER CHOUDHARI, KRISHNA FABRICATIONS PVT. LTD., 6A, PEENYA INDUSTRIAL AREA, PHASE I, TUMKUR ROAD, BANGALORE-562140, KARNATAKA.

Application No. 180-Mas/77 filed November 21, 1977.

Complete specification left December 20, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules,) Patent Office, Madras Branch.

#### 10 Claims.

An improved vehicle seat comprising a seat member and a back rest connected and supported by an arm assembly mounted on a base member through a pair of upstanding legs mounted on said base member and supporting said arm assembly, a member connecting the two free upper ends of said legs, two horizontally spaced bars or members loaded or connected with spring(s) and disposed between said base member and said connecting member, the lower bar being fixed to the said arm assembly and the upper bar being movable and attached to a means provided on the said connecting member to cause and regulate the movement of said movable upper bar thereby adjusting the tension of the spring(s) between said two horizontally spaced bars, to a predetermined degree depending on the weight of the occupant and the magnitude of the shock impulses, and a shock absorbing means disposed between the said back rest member and said base member.

(Prov.—6 pages; Com.—12 pages; Drawgs.—2 sheets, including one sheet of 13" X 16".

CLASS 62C<sub>2</sub>.

147741.

Int. Cl.-DO6p 3/00.

**IMPROVEMENT IN A PROCESS FOR DYEING MESH FABRICS AND WOVEN FABRICS MADE FROM CELLULOSE FIBRES IN ROPE FORM.**

**Applicant :** HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

**Inventors :** HANS-ULRICH VON DER FITZ, JOACHIM WALTER, ICHMANN, ERWIN UNGERMANN, EDWIN HUMULLER, KARL-HEINZ KEIL, JOACHIM RIBKA.

Application No. 1637/Cal/77 filed November 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 25 Claims.

Improvements in a process for dyeing mesh fabrics and woven fabrics, made from cellulose fibers and mixed yarns thereof, in rope form on a winch back or let dyeing apparatus by the exhaustion method at a short liquor ratio in the presence of at least one auxiliary, using an aqueous liquor containing dyes and dye precursors which are suitable for the type of fibers as herein described, and optionally fixing chemicals, characterized by the improvement that dyeing is carried out;

(i) at a ratio of 1 : 3 to 1 : 8 of liquid to the weight of the dry goods based on the liquid containing dyes or dye precursors, and

(ii) 2-8 g/l of an anionic or non-ionic, aliphatic softener as herein described are used either independently or as a mixture, as the auxiliary in said liquor.

Comp. Specn. 49 Pages.

Drg. 4 Sheets.

CLASS 130 D & F.

147742.

Int. Cl.-C22b 5/02.

**IMPROVEMENTS RELATING TO THERMAL PROCESSES FOR THE PRODUCTION OF MAGNESIUM.**

**Applicant :** SOCIETE FRANCAISE D'ELECTROMETALLURGIE "SOEFREM", OF 10 RUE GENERAL FOY, 75361 PARIS, CEDEX 08 FRANCE.

**Inventors :** BONFILS, RENE, MENA, ANDRE, PAYN, CHRISTIAN AND SEPTIER, LOUIS.

Application No. 390/Del/78 filed May 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 4 Claims.

Improvements relating to thermal processes for the production of magnesium by reduction at high temperature of a substance containing magnesium oxide, using reducing agent whose products of oxidation are not gaseous at the reaction temperature, the said substance which contains magnesium oxide and the said reducing agent being charged to the surface of a bath of slag kept liquid by the passage of an electric current in a container which is at a pressure above 1.8 millibars so that the magnesium vapours obtained condense into the liquid state, characterised in that a part of the magnesium oxide, in the range of 5 to 40% is supplied in the form of a residual material containing at least 20% of magnesium oxide.

Comp. Specn. 13 Pages.

Drg. 2 Sheets.

CLASS 195D & G.

147743.

Int. Cl.-F16k 31/02.

#### SOLENOID VALVE.

**Applicant :** INSTRUMENTATION LIMITED, OF KOTA 324005, RAJASTHAN, INDIA.

**Inventor :** SANWAR MAL AGRAWAL.

Application No. 16/Del/77 filed January 24, 1977.

Complete Specification Left April 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 9 Claims.

A solenoid-valve combination for the regulation and/or control of the flow of fluid through an industrial system under conditions of high temperature and pressure, comprising a valve housing provided with a fluid inlet adapted to communicate with a fluid outlet through the medium of a communicating passage, the said passage being equipped with valve means mounted on a valve seat, said valve means including a valve stem operatively connected through an extended sleeve assembly to a plunger constituting the core of an electrically operated solenoid the coil of which is mounted around the said sleeve assembly, the valve stem being provided at either end thereof with spring loading means adapted to render said stem responsive to a compressive force in excess of a predetermined pressure differential of the fluid across the communication passage whereby when the solenoid is energised, the solenoid coil forming the plunger and the valve stem connected thereto are activated, thereby exerting a force on the valve to cause it to move from a neutral position to an operating position where it seals the fluid communication passage between the inlet and the outlet and when the solenoid is de-energised, the plunger and valve stem are de-activated and the force on the valve is removed thereby causing it to return to its neutral position and re-open the said communication passage up to the said predetermined pressure differential across the passage.

Prov. Specn. 7 Pages. Comp. Specn. 8 Pages. Drg. 1 Sheet.

CLASS : 89 & 172 D6

147744.

Int. Cl. D 01 h 13/32

**"AN INSTRUMENT TO MEASURE THE NIPLOADS IN TEXTILE DRAW FRAMES".**

**Applicant :** AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC, AHMEDABAD-380 015 GUJARAT, INDIA.

**Inventors :** MONSINGH, RATNA, PRABHU & SHRIKANT, BALSHANKER, VAIDYA.

Application No. 444/Bom/1976 filed Dec. 27, 1976.

Complete specification left Dec. 27, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.



## Claims 8

An instrument to measure nip loads in textile draw frames, combers or like textile machines which comprises a test bar with a pair of auxiliary rolls spacedly arranged along the middle of the length of the test bar, each said auxiliary roll comprising an outer housing and a self aligning bearing within the housing, the test bar being supported on said bearings, the material of said housing being softer than that of the bottom roller of said textile machine on which said auxiliary rolls are adapted to rest; a load bearing sleeve secured, preferably removably, at each end of said test bar means to swing the test bar at an angle or arc from one to the other side of actual line of force applied on said test bar and means to measure deflection of said test bar which is proportional to the amount of applied force, that is the nip load, and/or a dial gauge to measure the applied force, that is the nip load, in any position of the test bar along said arc.

Provisional specification—11 pages, Drawings—3 sheets.

Complete specification—17 pages, Drawings—3 sheets.

Class 172 F

147745.

Int. cl. G01 n 33/36.

**A RAPID ABRASION TESTING MEANS FOR LAMINATES OR SHEET MATERIAL SUCH AS TEXTILE FABRICS PLASTICS PAPER AND LEATHER.**

*Applicant* : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION 1860, P.O. POLYTECHNIC AHMEDABAD 380 015 GUJARAT INDIA.

*Inventors* : 1. HEMENDRA UMISHANKAR MEHTA  
2. DATTULAL CHHAGANLAL WANI 3. SURYAKANT SHIVSAHANKAR TRIVEDI.

Application No. 197/Bom/76 Filed on June 25, 1976.  
232/Bom/76 Filed on July, 13, 1976.

Application No. 232/Bom/76 cognated with application No. 197/Bom/76.

Complete specification left July 22, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims.

1. A rapid abrasion testing means for laminates or sheet material such as textile, fabrics, plastics, paper and leather comprising a rotor with a rotating abrading surface in an elongated upper clamp means and one or a plurality of lower clamp means for holding one or a plurality of pieces of sheet material to be tested between the upper clamp means and one of the lower clamp means, in abrading contact with said abrading surface, said upper clamp means being fixed and the lower clamp means being suspended one or plurality of first gears on a common shaft, said rotor and said first gear or gears adapted to be driven by a common transmission means, such as a chain, from motor, one or a plurality of counters each carrying its own gear on respective counter shafts, one or plurality of lever systems each consisting of three articulating lever arms, one of said arms being vertical having pivotally connected at its upper and lower ends and oppositely disposed to each other two other lever arms, upper lever arm carrying a floating gear adapted to engage the or one of said counter gears and the or one of said first gears, and the lower lever arm disposed below the or one of said, suspended clamp, arrangement being such that when fabric strip held between the upper and the or one of the lower clamp means is under abrasion with the rotor rotating, the corresponding floating gear is in rotating contact with the corresponding first gear and with the corresponding counter gear whereby the corresponding counter counts the rotations of the rotor while when said fabric is broken the suspended clamp in falling drops on the lever arm opposite to it tripping the lever system so that the corresponding floating gear is pulled away from the said corresponding first gear and said corresponding counter gear and thus the corresponding counter stops counting.

Provisional specn 5 pages drawing 1 sheet.

Complete specn 13 pages drawing 5 sheets.

Cognate application provisional specification 2 pages.

CLASS 129C.

Int. Cl. F16h 35/00.

147746

## DRILL SCREW.

*Applicant* : NL INDUSTRIES INC., AT WYCOFF MILLS ROAD, HIGHTSTOWN, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventor* : CHARLES BURTON WHITTAKER.

Application No. 189/Del/78 filed March 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 12 Claims.

A drill screw comprising an elongate element having along a common longitudinal axis, means at one end of said element adapted to engage a tool for driving the screw, a drill bit formation including shank region and a tapered flank region of decreasing cross-section at the other end of the element, the shank region having a bi-arc cross-section formed from common segments of intersecting cylinders having axes parallel to but offset from said common longitudinal axis, the drill bit formation having flutes with cutting edge surfaces which intersect the outer surface of said shank and flank region to form cutting edges, said cutting edges, at each cross-section of said drill bit formation, being located at a greater radial distance from said common longitudinal axis than any other point at said cross-section to thereby provide relief immediately behind each cutting edge, and a threaded portion intermediate said driving means and said drill bit formation.

Comp. Specn. 15 Pages.

Dr. 1 Sheet.

CLASS 29A.

147747

Int. Cl. G09d 3/08.

**BIO-CONTROL CALCULATOR FOR INDICATING THE SAFE PERIOD IN A WOMAN'S MONTHLY CYCLE.**

*Applicant & Inventor* : ADIL SHAHRYAR, R/O C 391 DEFENCE COLONY, NEW DELHI-110024, INDIA.

Application No. 12/Del/76 filed October 21, 1976.

Complete Specification left January 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims.

A bio-control calculator for indicating the safe period in a woman's monthly cycle comprising of four discs in the following sequence, the base disc, the shortest cycle disc, the longest cycle disc and the top disc, the said base disc being of the largest diameter and having along its periphery numerals in a clockwise and anti-clockwise direction, the shortest cycle disc being of a smaller diameter than the base disc and the longest cycle disc being of a smaller diameter than the shortest cycle disc, the shortest and longest cycle discs being provided with on the circumference thereof three concentric numerical circles, each numerical circle representing dates of months having 31, 30 and 28 days, each of said shortest and longest cycle discs having a projecting means extending beyond the circumference of the base disc, said projecting means having a window adapted to correspond with the anti-clockwise numerals of the base disc, the top disc being of almost the same diameter as that of the shortest cycle disc and having at its periphery a drawing representing a triangle, the apex of which being pointed to a small rectangular slit in the top disc through which six numerals in a row (three of the shortest cycle disc and three of the longest cycle disc) being visible the three numerals on the left indicating the beginning of the fertile period and the three on the right indicating the ending of the fertile period.

Prov. Specn. 7 Pages. Comp. Specn. 9 Pages. Dr. 2 Sheets

CLASS 27E.

147748

Int. Cl. E04J 5/04.

## A ROOFING PANEL.

*Applicant & Inventor* : COLIN NEIL STANGER, OF NIAVARAN, 3 GREENVILLE CLOSE, COBHAM, SURREY, ENGLAND.

Application No. 490/Cal/77 filed March 31, 1977.

Convention date April 2, 1976 (38480/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 18 Claims.

An elongate roofing panel for assembly on a support structure with a plurality of like panels to form a roof covering, said panel having forward and rear elongate edges at which the panel is of bent configuration to provide respective forward and rear elongate stiffening beam elements extending lengthwise of the panel for spanning across parallel spaced rafters of the support structure to support the panel on said structure, said beam elements projecting in a sense across their length on opposite sides of the panel, the forward beam element comprising an elongate depending flange at the forward panel edge, and an elongate locking member projecting rearwardly from the lower edge of the depending flange, the rear beam element being cross-sectionally profiled to receive and interlock with the forward beam element of a like panel, such that when in use, the panel is fixed to said support structure at its rear edge only, with the rear beam element projecting upwardly away from the support structure, said forward beam element projects downwardly toward the support structure to engage over the rear beam element of an adjacent like panel from the upper side only of said like panel with said depending flange at least partially concealing said rear beam element of the like panel, and with said locking member, interlocked with said rear beam element such that upward and downward movement of the locking member, and thereby of the forward edge, relative to the rear edge of the like panel, is prevented, the panel being formed with ribs spanning transversely between the beam elements for transmitting thereto the load of the panel.

Comp. Specn. 19 Pages.

Drg. 5 Sheets.

### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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### PATENTS SEALED

143507 143909 144140 145012 145097 145356 146626 146630  
146631 146644 146655

### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS LICENCES OF RIGHT

The following is the list of Patents deemed to be endorsed with the licences of right under the provisions of Patents Act, 1970. The dates in the crescent brackets are the dates of Patents.

No.	Title of the Invention.
137623 (26-6-1973)	A process for extraction and separation of strychnine and brucine from strychnonux vomica.

138554 (10-10-1973) Process for the preparation of aroyl substituted phenylacetic acid derivative.

139266 (24-5-1974) Preparation of arylakanoic acid.

139323 (25-6-1974) Manufacture of sodium sulfate from sodium chloride and ammonium sulfate.

139384 (7-11-1973) Preparation of substituted —pentano-prostaglandine.

139408 (7-1-1974) A process for producing a new acidified sodium phosphate solution suitable for phosphating of metallic surfaces or rusted steel surfaces.

139427 (9-3-1973) A process for preparing improved catalyst.

139437 (8-2-1974) Process for preparing a medicament for treatment of cancer.

139443 (20-9-1973) Process for the preparation of 2-substituted pyridopyrimidine—4 (3H)—one.

139444 (1-3-1974) A process for preparing oxamic acid derivatives.

139447 (7-11-1974) Process for the preparation of 4-oxo-2-imidazolidinylidene ureas.

139453 (8-9-1975) Improvements in or related to a process for separation of iron, cobalt and nickel from solution by solvent extraction.

139456 (31-5-1973) A process for the manufacture of substituted chloroacetanilides.

139464 (15-3-1974) Process of preparation of piperazine derivatives.

139467 (2-9-1974) A process for the preparation of sulfide herbicide antidote composition.

139468 (29-10-1974) Process for the preparation of 1-phthalazone derivative.

139480 (15-3-1974) Process for preparing heterocyclic anilides.

139499 (29-6-1974) Method for processing bauxites.

139500 (12-8-1974) Process for the manufacture of nitroimidazole.

139531 (2-8-1974) Process for the production of cyclohexane derivatives.

### RENEWAL FEES PAID

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111191 111193 111227 111251 111258 111458 115409 115529  
115547 115576 115630 115716 115788 115789 115866 115984  
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121400 121421 121494 121609 121635 121636 121867 121914  
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131491 131567 131608 131635 131682 131697 131698 131725  
131795 131851 131859 131946 132008 132198 132214 132215  
132640 133051 134121 134170 134265 134978 135213 135280  
135284 135384 135741 135899 135904 135905 135945 135973  
135974 136033 136034 136241 136251 136253 136319 136321  
136353 136430 136561 136878 137334 137542 137577 137688  
138035 138189 138289 138330 138842 138925 138997 139126  
139301 139317 139383 139498 139685 139716 139726 139807  
139896 140168 140169 140199 140631 140968 141261 141289

141359 141476 141540 141593 141594 141642 141826 141786  
 141840 142214 142437 142505 142534 142561 142607 142663  
 142789 142906 142936 143180 143186 143267 143360 143362  
 714366 143425 143441 143470 143539 143672 143685 143694  
 143757 143785 143792 143794 143820 143826 143839 143864  
 143874 143895 143962 143977 143985 143993 144015 144021  
 144048 144218 144222 144325 144358 144359 144360 144361  
 144586 144613 144669 144725 144796 144929 145215 145261  
 145262 145397 145408 145492 145644 145706 145722 145734  
 145825 145851 145885 145980 145999 146000 146020 146040  
 146045 146050 146111 146117 146158 146163 146182 146211  
 146216 146244 146259 146278 146303 146363 146364 146366  
 146378 146402 146426 146458 146461 146464 146471 146476  
 146477 146482 146499 146500 146531 146548 146549 146550  
 146551 146552 146558 146561 146569 146571 146573 146578  
 146915

#### CESSATION OF PATENTS

159317 135466 135470 135471 135479 135481 135483 135484  
 135489 135490 135498 135501 135504 135509 135510 135514  
 135515 135523 135525 135526 135529 135531 135535 135537  
 135538 135541 135542 135546 135549 135552 135553 135557  
 135560 135563 135564 135566 135568 135569 135571 135573  
 135575 135576 135579 135583 135585 135587 135588 135590  
 135591 135592 135593 135594 135597 135598 135600 135601  
 135604 135605 135607 13609 135610 135611

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 121648 granted to Katsuragawa Denki Kabushiki Kaisha, for an invention relating to "photosensitive elements and methods of electrophotography".

The patent ceased on the 28th January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd March, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 121980 granted to Showa Denko Kabushiki Kaisha for an invention relating to "Pelletized Chromium addition agent for ferro alloys production and method therefor." The patent ceased on the 25th June, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 124215 granted to Council of Scientific and Industrial Research, for an invention relating to "Improvements in or relating to electrolytic preparation of lead dioxide". The patent ceased on the 28th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 125754 granted to Clayton Dewandre Company Limited, for an invention relating to "improvements in or relating to vehicle braking systems." The patent ceased on the 16th March, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137351 granted to Allmanna Svenska Elektriska Aktiebolaget for an invention relating to "Insulating part of electric switching device." The patent ceased on the 9th January, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142867 granted to Gordhandas Lachhmandas Mathreja, for an invention relating to "a mobile unit for continuously mixing molten asphalt with aggregate materials and laying the same on road". The patent ceased on the 22nd December, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142940 granted to Boomerang Engineering (1971) Pvt. Ltd., for an invention relating to "improved suspension for vehicles". The patent ceased on the 3rd July, 1979 due to non-payment of renewal fees within the prescribed time and cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143005 granted to Mail Order Sales Private Limited, for an invention relating to "device for the accelerated preparation of curd from milk." The patent ceased on the 11th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 1st December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice for within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143347 granted to M. M. Suri & Associates Pvt. Ltd. for an invention relating to "an inlet valve for a two stroke internal combustion engine." The patent ceased

on the 26th May, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd May, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143862 granted to M. M. Suri & Associates Pvt. Ltd. for an invention relating to "a valve mechanism for a two stroke internal combustion engine." The patent ceased on the 9th January, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 14th August 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 148345. Ghewar Chand Jain (Indian), Kanti-nagar, Jaipur-6 (Raj). "Cold Pressure Butt Welder". April 20, 1979.

Class 1. No. 148471. Mrs. Suparna Chatterjee of Makardah Road, Shanpur, Dassenagar, Howrah-711105, State of West Bengal, India, an Indian National. "Hand Pump". May 19, 1979.

Class 1. No. 148649. Vir Rubber Products Pvt. Ltd., Plot No. 1, M.I.D.C. Industrial Estate, Ambernath-421501, Dist. Thana, Maharashtra, India, "Spring Bush". July 17, 1979.

Class 1. No. 148650. Vir Rubber Products Pvt. Ltd., Plot No. 1, M.I.D.C. Industrial Estate, Ambernath-421501, Dist. Thana, Maharashtra, India. "Spring Bush". July 17, 1979.

Class 1. No. 148651. Vir Rubber Products Pvt. Ltd., Plot No. 1, M.I.D.C. Industrial Estate, Ambernath-421501, Dist. Thana, Maharashtra, India. "Spring Bush". July 17, 1979.

Class 1. No. 148718. CCI Systems Limited, an English Company, Cabco House, Ewell Road, Surbiton, Surrey KT6 7AH, England. "Insert". Priority date February 7, 1979.

Class 1. No. 148721. Pamas Burner Manufacturing Co., 75, Jakaria Masjid Street, Bombay-9 (Maharashtra State), Indian Partnership Firm. "Gas Lantran". August 2, 1979.

Class 1. No. 148757. Saiko Matex Engineering Pvt. Ltd., 5, Pareks Market, 39, Kennedy Bridge, Bombay-400004, Maharashtra, an Indian Private Ltd. Co. "a fog lamp for automobiles". August 20, 1979.

Class 1. No. 148773. Madam Anne Marie Yvonne Daignas, Villa La Parle, 11, Boulevard Edouard Vill Nice (Alpes Maritimes), France, french nationality. "Spur wheel". August 29, 1979.

Class 1. No. 148774. Madam Anne Marie Yvonne Daignas, Villa La Perle, 11, Boulevard Edouard Vill Nice (Alpes Maritimes) France, french nationality. "Machine for throwing coarse plaster or plain". August 29, 1979.

Class 1. No. 148900. Punjab Metals, 306, Lotus House, 33-A, New Marine Lines, Bombay-400020, Maharashtra, an Indian Proprietary Firm. "Sugar Bowl". October 15, 1979.

Class 1. No. 148901. Punjab Metals, 306, Lotus House, 33-A, New Marine Lines, Bombay-400020, Maharashtra, an Indian Proprietary Firm. "Tea Plot". October 15, 1979.

Class 1. No. 148902. Punjab Metals, 306, Lotus House, 33-A, New Marine Lines, Bombay-400020, Maharashtra, an Indian Proprietary firm. "Milk Jug". October 15, 1979.

Class 1. No. 148903. Punjab Metals, 306, Lotus House, 33-A, New Marine Lines, Bombay-400020, Maharashtra, an Indian Proprietary firm. "Cannister". October 15, 1979.

Class 1. No. 148990. Stant Engineering Pvt. Ltd., 10/13A, Dr. D. D. Sathye Marg, Bombay 400004, Maharashtra, an Indian Private Ltd. Company. "Fog lamp for automobiles". November 12, 1979.

Class 1. No. 149059. Indian Casting Industries, a registered partnership firm of 2-26, Maulana Azad Road, Nagri Building, Madanpura, Bombay-400008, Maharashtra. "cloth folding and cloth measuring instruments". December 4, 1979.

Class 1. No. 149098. Mohammad Rashid, Bazar Saizganj-7, Uttar Pradesh, an Indian National, "Tray". December 19, 1979.

Class 3. No. 148351. Premier Trading Corporation, 6122, Bara Hindu Rao Bahadurgarh Road, Delhi-6, a registered partnership firm. "Squeezer". April 23, 1979.

Class 3. No. 148575. Nasir Uddin trading as Asha Optical Industries, 2462, Rang Mahal, Tilak Bazar, Delhi-110006, Indian National. "Goot for grinding optical lenses". June 26, 1979.

Class 3. No. 148683. Swastik Textile Engineering Private Ltd., an Indian company of Ambica Oil Mill Compound, Outside Gomtipur Darwaja, Ahmedabad-380021, Gujarat, India. "Shuttle". July 23, 1979.

Class 3. No. 148684. Swastik Textile Engineering Private Limited, an Indian Company of Ambica Oil Mill Compound, Outside Gomtipur Darwaja, Ahmedabad-380021, Gujarat. "Tipless Shuttle". July 23, 1979.

Class 3. No. 148685. Swastik Textile Engineering Private Limited, an Indian Company of Ambica Oil Mill Compound, Outside Gomtipur Darwaja, Ahmedabad-380021, Gujarat. "Tipless Shuttle". July 23, 1979.

Class 3. No. 148708. Minni Trading Corporation, 5-B, Kanchan Villa, Goraswadi, Malad, Bombay-400064, Maharashtra, Indian Partnership Firm. "Decanter with cap". July 28, 1979.

Class 3. No. 148709. Minni Trading Corporation, 5-B, Kanchan Villa, Goraswadi, Malad, Bombay-400064, Maharashtra, Indian Partnership Firm. "Decanter with cap". July 28, 1979.

Class 3. No. 148732. Bata India Limited of 30, Shakespeare Sarani, Calcutta, West Bengal. "a sole for footwear". August 9, 1979.

Class 3. No. 148736. Bata India Limited of 30, Shakespeare Sarani, Calcutta, West Bengal. "a sole for footwear". August 9, 1979.

Class 3. No. 148899. Jyoti Cosmetic Co., Kashmir Road, Vijay Nagar, P.O. Khanna Nagar, Amritsar, Punjab, an Indian Partnership Concern. "Container". October 12, 1979.

Class 3. No. 148904. Sunita Toys Industries, 820, Shish Mahal, Azad Market, Delhi-110006, an Indian Proprietary Concern "Toy". October 15, 1979.

Class 3. No. 148964. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay 400004, Maharashtra, an Indian Partnership Firm. "Ice Box". November 8, 1979.

Class 3. No. 148991. Stant Engineering Pvt. Ltd., 10/13A, Dr. D. D. Sathye Marg, Bombay-400004, Maharashtra, an Indian Private Limited Company. "a fog lamp for automobiles". November 12, 1979.

Class 3. No. 149082. Health Products, 8, Silvernest, 12, Matunga Road, Bombay-400019, Maharashtra, an Indian Sole Proprietary Firm. "Container" December 11, 1979.

Class 4. No. 148502. JG Glass Industries Limited, of Pimpri, Pune-411018, Maharashtra, India, an Indian Company. "Bottle". June 7, 1979.

Class 4. No. 148521. M/s. Revon Cosmetics, 6, Abida House, Dondad Cross Lane, 1st floor, Room 2/3, Bombay-400009, Maharashtra, an Indian Proprietary concern. "Bottle". June 12, 1979.

Class 4. No. 148522. M/s. Ravon Cosmetics, 6, Abida House, Dondad Cross Lane, 1st floor, Room 2/3, Bombay-400009, Maharashtra, an Indian Proprietary concern. "Bottle". June 12, 1979.

Class 4. No. 148947. Mahalsa Bottling Company, Kundaim, Goa-403110, Maharashtra, Indian Partnership Firm. "Bottle". October 30, 1979.

Class 10. No. 148744. Bata India Limited, 30, Shakespeare Sarani, Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148746. Bata India Limited, 30, Shakespeare Sarani, Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 14. No. 148792. Associated Apparel Private Limited of 'Akashdeep', 4-5, Zakaria Bunder Road, Sewree, Bombay-400015, State of Maharashtra, India "Knitted Textile Goods", September 5, 1979.

#### EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Nos. 140626, 141581, 141974, 142079, 142413, 142940, 142941.....Class 1.

Nos. 142216, 142217, 142218, 142219, 142225, 142226, 142319, 142321, 142664, 146145....Class 4.

No. 142665.....Class 4.

No. 142211.....Class 5.

Nos. 142257, 142320, 142322, 142323, 142324, 142325, 142326, 142327.....Class 10.

#### EXTENSION OF COPYRIGHT FOR THE THIRD

##### PERIOD OF FIVE YEARS

Nos. 136416, 136417, 136418, 136420, 137816.

133817.....Class 1.

Nos. 136419, 141939.....Class 3.

No. 142211.....Class 5.

Name Index of applicants for Patents for the month of February, 1980 (Nos. 119/Cal/80 to 241/Cal/80, 19/Bom/80 to 47/Bom/80, 23/Mas/80 to 42/Mas/80 and 70/Del/80 to 144/Del/80).

Name

Appln. No.

—A—

A/S N. Foss Electric—187/Cal/80.

Abex Corporation—236/Cal/80.

Access Control Systems Pty., Ltd.—148/Cal/80.

Aeci Limited—108/Del/80.

Ahmedabad Education Society—38/Bom/80.

Ahmedabad Manufacturing and Calico Printing Co. Ltd., The—22/Bom/80, 23/Bom/80.

Ahmedabad Textile Industry's Research Association—29/Bom/80.

Air Products and Chemicals, Inc.—230/Cal/80.

Aktiebolaget Svenska Flaktfabriken—161/Cal/80.

All India Institute of Medical Science—85/Del/80.

Alplanalp, R. H.—241/Cal/80.

Aluminium Pechiney—158/Cal/80, 159/Cal/80.

Alums, S.—32/Mas/80.

American Roto Bearing Co., The—226/Cal/80.

Ammonia Casale S. A.—141/Cal/80.

Amsted Industries Incorporated—227/Cal/80.

Anic S.p.A.—239/Cal/80.

Ashland Oil, INC.—80/Del/80.

Associated Engineering Italy S.p.A.—86/Del/80.

—B—

B. F. Goodrich Company, The—181/Cal/80.

Baburaj, P.—35/Mas/80.

Bagul, S. G.—28/Bom/80.

Bajpai, O. P.—23/Mas/80.

Balasubramaniam, S.—39/Mas/80, 40/Mas/80.

Ball Corporation—77/Del/80.

Ballestra Chimica S.p.A.—203/Cal/80.

Bansal, S. S.—134/Del/80, 135/Del/80.

Bayer Aktiengesellschaft—72/Del/80.

Behari, J.—110/Del/80.

Bennett, J.—39/Mas/80, 40/Mas/80.

Bhadri, V. S.—38/Bom/80.

Bhardwaj, O.S.S.—107/Del/80.

Name	Appln. No.
Biogen N. V.—116/Del/80.	
Blaser, R. F.—190/Cal/80.	
Bose, M. (Mrs.)—218/Cal/80.	
British Aerospace—205/Cal/80.	

## —C—

CPC International Inc.—179/Cal/80.	
Century Rayon—19/Bom/80.	
Chauhan, F. S.—74/Del/80.	
Chicopee—144/Cal/80.	
Chloride Silent Power Limited—73/Del/80.	
Cie. Miniere De l'Ogooue (Comilog)—220/Cal/80.	
Consortium Fur Elektrochemische Industrie GMBH.—233/Cal/80.	
Corning Glass Works—188/Cal/80, 232/Cal/80.	
Council of Scientific & Industrial Research—91/Del/80, 92/Del/80, 93/Del/80, 99/Del/80, 100/Del/80, 137/Del/80, 138/Del/80, 141/Del/80, 142/Del/80, 143/Del/80, 144/Del/80.	
Crosol Limited—206/Cal/80.	
Crucible INC—104/Del/80.	
Cummins Engine Company, Inc.—197/Cal/80.	

## —D—

Dr. C. Otto & Comp. GMBH—214/Cal/80, 215/Cal/80.	
Dalmia Institute of Scientific & Industrial Research—209/Cal/80.	
Danly Machine Corporation—166/Cal/80.	
Deckshatulu, B. L.—23/Mas/80.	
Delle-Alsthom—88/Del/80, 105/Del/80.	
de Souza, S. F.—36/Bom/80.	
Dessa, C. W.—37/Mas/80.	
Devani, M. B.—38/Bom/80.	
Dhar, S. K.—178/Cal/80.	
Diamond Engineering Corporation—112/Del/80, 113/Del/80.	
Dias, A. M.—41/Bom/80, 42/Bom/80.	
Director, All India Institute of Medical Science, The—85/Del/80.	
Director General, Ministry of Railways—119/Del/80, 120/Del/80.	
Dneprodzerzhinsky Vagonostroitelny Zabod Imeni Gurezty "Prabeta" 153/Cal/80 Director, Jute Technological Research Laboratories—210/Cal/80.	

## —E—

E. I. DU Pont DE Nemours and Company—217/Cal/80, 223/Cal/80.	
E.N.I. Entenzionale Idrocarburi—172/Cal/80, 173/Cal/80.	
Eirich, H.—119/Cal/80.	
Eirich, P.—119/Cal/80.	
Eirich, W.—119/Cal/80.	
Ethicon, Inc.—162/Cal/80.	
Euteco Impianti S.p.A.—167/Cal/80.	
Exacta-Maschinenbau Schmidt & Hettler KG.—237/Cal/80.	

## —F—

F. Hoffmann-La Roche & Co., Aktiengesellschaft—138/Cal/80.	
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## —G—

Gandhi, M. C.—39/Bom/80.	
Gebruder Loepfe AG—238/Cal/80.	

Name	Appln. No.
Ghosh, S. K.—140/Cal/80.	
Gorlovsky, D. M.—163/Cal/80.	

Gosudarstvenny Proektny I Nauchno-Issledovatel'sky Institut Nikel'vro-Kobaltovoi I Olovyannoi Promyshlennosti—240/Cal/80.	
Gosudarstvenny Vsesojuzny Institut PO Proektirovaniyu Predpriyatiy Koksokhimicheskoi Promyshlennosti (Giprokoks)—153/Cal/80.	
Great Lakes Carbon Corporation—128/Cal/80.	
Grindwell Norton Limited—34/Bom/80.	
Gupta, N. (Smt.)—90/Del/80.	

## —H—

Haideri, A. H.—44/Bom/80.	
Hein Lehmann AG.—208/Cal/80.	
Hitachi Construction Machinery Co. Ltd.—204/Cal/80.	
Hoechst Aktiengesellschaft—130/Cal/80.	
Hoechst Pharmaceuticals Limited—26/Bom/80.	
Horizon Manufacturing Corporation—171/Cal/80.	
Hukerikar, V. V.—43/Bom/80.	
Huttenes—Albertus Chemische Werke GMBH—154/Cal/80.	

## —I—

Igel, R. V.—36/Bom/80.	
Imperial Chemical Industries Limited—97/Del/80, 114/Del/80, 130/Del/80.	
India United Mills Dye Works—24/Bom/80, 25/Bom/80.	
Indian Council of Agricultural Research—210/Cal/80.	
Indian Drugs & Pharmaceuticals Ltd.—111/Del/80.	
Indian Space Research Organisation, The—36/Mas/80.	
Inheed Pty. Ltd.—129/Cal/80.	
Instytut Chemii Przemyslowej—176/Cal/80.	
Institut Merieux—131/Del/80.	
Institut Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR—229/Cal/80.	
Internationalla Spoorex AB—76/Del/80.	
Ion Exchange (India) Limited—46/Bom/80, 47/Bom/80.	
Ishar Dass Mahajan & Sons—82/Del/80, 84/Del/80.	
Isover Saint-Gobain 131/Cal/80, 168/Cal/80.	

## —J—

J. Ray McDermott & Co., Inc.—136/Cal/80.	
JK Batteries—191/Cal/80, 192/Cal/80.	
Jacob, K. A.—70/Del/80.	
John D. Hollingsworth on Wheels INC.—89/Del/80.	

## —K—

K. G. Khosla Compressors Private Limited—94/Del/80.	
Kabel-Und Metallwerke Gutchoffnungshutte Aktiengesellschaft—200/Cal/80.	
Kagalwala, R. A.—33/Bom/80.	
Kalina, A. I.—202/Cal/80.	
Khannan, R.—156/Cal/80.	
Kirloskar Oil Engines Limited—35/Bom/80, 37/Bom/80.	
Korshunkov, P. E.—163/Cal/80.	
Kraftwerk Union Aktiengesellschaft—121/Cal/80, 122/Cal/80.	
Krings, J.—184/Cal/80.	
Kucheravy, V. I.—163/Cal/80.	
Kumar, A.—136/Del/80.	
Kumar, V.—136/Del/80.	
Kutnowskie Zaklady Farmaceutyczne "Polfa"—176/Cal/80.	

Name	Appln. No.
—L—	
Langner, C. F.—75/Del/80.	
Langner, J. B.—75/Del/80.	
Laporte Industries Limited—196/Cal/80.	
Lebedev, V. V.—163/Cal/80.	
Leybold Heraeus GmbH.—169/Cal/80.	
Lucas Industries Ltd.—29/Mas/80, 30/Mas/80.	

## —M—

Mahajan, A. (Smt.)—90/Del/80.	
Malviya, B. S.—21/Bom/80.	
Manik, S. P. (Dr.)—70/Del/80.	
Mankowitz, R.—142/Cal/80.	
Maschinenfabrik Rieter A. G.—132/Cal/80, 183/Cal/80, 189/Cal/80, 231/Cal/80.	
Michelin & Cie. (Compagnie Generale des Etablissements Michelin)—182/Cal/80.	
Midland-Ross Corporation—120/Cal/80.	
Mittu, N.—24/Mas/80, 25/Mas/80, 26/Mas/80, 27/Mas/80.	
Mobil Oil—174/Cal/80.	
Corporation—175/Cal/80.	
Mobil Tyco Solar Energy Corporation—79/Del/80.	
Mondal, A. K.—160/Cal/80.	
Mondal, S. N.—160/Cal/80.	
Monsanto Company—195/Cal/80.	
Muralidharan, P. N.—33/Mas/80.	

## —N—

N. Greening Limited—123/Cal/80.	
NRM Corporation—133/Cal/80, 135/Cal/80.	
Nauchno-Issledovatel'sky Institut Poroshkovoi Metallurgii Belorusskogo Politehnicheskogo Instituta—177/Cal/80.	

## —O—

Omytne Konstruktorsko-Tekhnologicheskoe Bjuro Instituta Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR—229/Cal/80.	
Orissa Cement Limited—209/Cal/80.	
OTIS ELEVATOR COMPANY—125/Del/80, 132/Del/80.	
Outchumpu OY—137/Cal/80.	
OY Lohja AB—193/Cal/80.	

## —P—

Palitex Project-Company GMBH—201/Cal/80.	
Patwardhan, S. W.—45/Bom/80.	
Paul, G. E.—165/Cal/80.	
Paul, T. M. (Dr.)—20/Bom/80.	
Pennington, J. D.—32/Bom/80.	
Pfizer INC.—95/Del/80, 98/Del/80.	
Pikhtovnikov, B. I.—163/Cal/80.	
Poclain Hydraulics—109/Del/80.	
Polythetics INC—126/Del/80.	
Prabhudas, P. K.—40/Bom/80.	
Process Evaluation and Development Corporation—129/Del/80.	
Puri, K. K.—101/Del/80.	

## —R—

Raha, A. C.—127/Del/80.	
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Name	Appln. No.
—S—	
Rai, D. V.—110/Del/80.	
Rao, K. M. M.—23/Mas/80.	
Rao, K. R. (Wg. Cdr.)—23/Mas/80.	
Rathi, S. R.—27/Bom/80.	
Ray, P.—213/Cal/80.	
Rhone-Poulenc Industries—224/Cal/80, 235/Cal/80.	
Ricoubo Marketing Company Limited—102/Del/80.	
Ryazansky Radiotekhnicheskyy Institut—145/Cal/80.	

## —S—

Salete-Garces, F.—139/Del/80.	
Sambamurthy, Y.—23/Mas/80.	
Sarkar, A. B.—186/Cal/80.	
Saw-ant, R. B.—31/Bom/80.	
Sawhney, P. S.—117/Del/80, 118/Del/80.	
Schubert & Salzer Maschinenfabrik Aktiengesellschaft—225/Cal/80.	
Sen, S. K.—164/Cal/80.	
Sergeev, J. A.—163/Cal/80.	
Seshagiri, T.—41/Mas/80.	
Shanmugam, V.—39/Mas/80, 40/Mas/80.	
Sharma, S. K.—180/Cal/80.	
Shell Internationale Research Maatschappij B. V.—133/Del/80.	
Shiddaye, S. M. (Mrs.)—30/Bom/80.	
Shiddhaye, M. V.—30/Bom/80.	
Shishoo, C. J.—38/Bom/80.	
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Siemens Aktiengesellschaft—185/Cal/80.	
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Sineva, K. N.—163/Cal/80.	
Singh, I.—78/Del/80.	
Singh, P.—117/Del/80, 118/Del/80.	
Singh, S.—110/Del/80.	
Singh, V.—83/Del/80.	
Sloan, F. R. W.—150/Cal/80.	
SmithKline & French Laboratories Limited—115/Del/80.	
Societa Italiana Telecomunicazioni Siemens S.P.A.—198/Cal/80.	

Societe D'Etudes De Machines Thermiques S.E.M.T.—106/Del/80.	
Societe D'Etudes De Produits Chimiques—103/Del/80.	
Somabhai, P. A.—40/Bom/80.	
Sredneaziat'sky Nauchno-Issledovatel'sky Institut Prirodnogo Gaza—151/Cal/80, 152/Cal/80.	
Sri Aurobindo Society—31/Mas/80.	
Sridhar, S.—28/Mas/80.	
Srivastava, R. K. (Dr.)—71/Del/80.	
Stamcarbon B. V.—149/Cal/80.	
Standard Oil Company—96/Del/80.	
Stauffer Chemical Company—124/Cal/80, 222/Cal/80.	
Subramanyam, S.—38/Mas/80.	
Sulzer Brothers Limited—140/Del/80.	
Sumitomo Chemical Company Limited—143/Cal/80.	
Sundarajan, A. V.—33/Mas/80.	

## —T—

Teplitsky, Y. S.—163/Cal/80.	
Teske, L.—216/Cal/80.	
Texara, J.—42/Mas/80.	
Thirupathy, V. V. T.—34/Mas/80.	
Tsai, K. L.—157/Cal/80.	

<i>Name</i>	<i>Appln. No.</i>	<i>Name</i>	<i>Appln. No.</i>
—U—		Vostochny Nauchno-Issledovatel'sky I Proektny Institut Ogne-upornoj Promyshlennosti—146/Cal/80.	
UOP INC.—124/Del/80.		—W—	
Unilever Limited—134/Cal/80.		Wadhera, Y. C.—90/Del/80.	
Union Carbide Corporation—122/Del/80, 123/Del/80.		Waggonfabrik Uerdingen A. G.—87/Del/80.	
Union Carbide India Limited—211/Cal/80, 212/Cal/80, 228/Cal/80.		Westinghouse Canada Limited—147/Cal/80.	
Uniroyal Limited—81/Del/80.			
United States of America—207/Cal/80.		Westinghouse Electric Corporation—125/Cal/80, 126/Cal/80, 127/Cal/80, 155/Cal/80, 194/Cal/80.	
—V—		Wilson, W. J.—219/Cal/8.	
Varitrac AG—234/Cal/80.			
Veb Filmfabrik Wolfen—221/Cal/80.			
Voest-Alpine Aktiengesellschaft—139/Cal/80.			
Viswanathan, P.T.R.—39/Mas/80, 40/Mas/80.			

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